

67,023-018

IN THE SPECIFICATION:

In paragraph 19:

Referring to Figure 2, the probe 14 includes a first end portion 22 having an opening 24 for receiving the exhaust gas. The probe extends to a second end portion 26, which is adjacent to the tunnel 18 when the transfer tube assembly 12 and tunnel 18 are secured to one another. The probe 14 at least partially defines a sample exhaust gas passageway 27. The mixer includes a dilution gas chamber 30 arranged concentrically around the second end portion 26 and includes one or more feed tubes 32 defining dilution gas passageways in fluid communication therewith for conveying the dilution gas to the dilution gas chamber 30. The second end portion 26 terminates in a terminal end 29. The feed tubes 32 are arranged between the first 22 and second 26 end portions. An end section 28 is preferably secured to the second end portion of the outer tube 34. The dilution and sample exhaust gases flow parallel to and in the same direction as one another.

In paragraph 27:

Another particulate sampler is shown in Figures 5-9 and functions similarly to the sampler 10 described above. Referring to Figure 5, the sampler 110 includes a transfer tube assembly 112 supported on a tailpipe 113. The probe 114 includes a first end portion 122 with an opening 124 extending to a second end portion 126. The probe 114 defines a sample exhaust gas passageway 127 that carries exhaust gases from the tailpipe 113 to the mixer. The second end portion 126 extends beyond the outer tube 134 to a terminal end 129. A fitting 139 at an end ~~139-137~~ of the outer tube 134 supports a portion of the probe 114. The outer tube 134 is spaced from the probe 114 to form an insulator cavity 136 around the probe 114 to insulate the sample exhaust gas until it is mixed with the dilution gas. A temperature sensor 162 may be used in close proximity to or in contact with the outer circumference of the probe 114 to monitor the temperature for determining whether the sample exhaust gas is being maintained at the desired temperature by the insulator cavity 136.